

REMARKS

Regarding Claim 27, although this claim is correct, Applicant requests to move the initial recitation of a “***plurality of estimators***” to the preamble of the claim.

Additionally note that in one embodiment, the claim step:

“obtaining a plurality of classes for said plurality of conditions, wherein for each said class (C), at least most of said conditions therein are each identified by predetermined criteria, **said predetermined criteria for identifying said corresponding set of data for the conditions in the class C;**”

has support in at least step (4.1.1) commencing on specification page 6, line 36 and extending to page 7, line 22 which states:

(4.1.1) A step of determining a classification scheme for determining an input class for each input data set supplied (e.g., substantially simultaneously) to the plurality of computational models (FOMs), wherein for each range, R, of a plurality ranges of desired results in the hypothesis space, there is an input class, and the input data sets of this input class are expected to have their corresponding desired result(s) in the range R. Some examples will be illustrative. For a wireless location system, the present step ***determines geographical subareas of a wireless network coverage area that have “similar” wireless signal characteristics***. Such subareas may be relatively easy to determine, and there may be no constraint on the size of the subareas. The intention is to determine: (a) such a subarea as only a general area where a target MS must reside, and (b) ***the subarea should be relatively homogeneous in its wireless signaling characteristics***. Accordingly, (a) and (b) are believed to be substantially satisfied by ***grouping together into the same input class the wireless signal data sets (i.e., input data sets) from corresponding target MS locations wherein at each of the target MS locations: (i) the set of base stations detected by the target MS (at the location) is substantially the same, and/or (b) the set of base stations detecting the target MS is substantially the same set of base stations.***

Note that there are numerous techniques and commercial packages for determining such a classification scheme. In particular, the statistically based system, “CART” (an acronym for Classification and Regression Trees) by ANGOSS Software

International Limited of Toronto, Canada is one such package. Further, note that this step is intended to provide reliable but not necessarily highly accurate ranges R for the desired results. Also note that in some applications there may be only a single input class, thus assuring high reliability (albeit, likely low accuracy). Accordingly, in this latter case the present step may be omitted.

In particular, the **bolded** portion of the above recited claim step is supported by at least the **bolded** (and more particularly the *italicized*) portion of the specification passage above. Accordingly, it is believed appropriate for the claim step clause:

“said predetermined criteria for identifying said corresponding set of data for the conditions in the class C”

to properly include the interpretation:

“said predetermined criteria for identifying *a characterization* of said corresponding set of data for the conditions in the class C”.

If the Examiner believes such an interpretation is not an appropriate interpretation for Claim 27, then it is requested that the Examiner contact the undersigned Applicant immediately so that clarification can be provided.

Based upon the foregoing, Applicant believes that all pending claims are in condition for allowance and such disposition is respectfully requested. If the Examiner disagrees or has questions regarding any of the amendments or the remarks provided here, it is respectfully requested that the Examiner contact the undersigned. It is believed that no fees are due with this transmittal. However, if further fees are due, it is requested that the undersigned Applicant be contacted by telephone.

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Respectfully submitted,

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